



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

TOWN OF BARGERSVILLE Proposed Sewer Service to the Tremont Subdivision State Revolving Fund Project # WW07 07 41 01

DATE: May 18, 2007

DEADLINE FOR SUBMITTAL OF COMMENTS: June 18, 2007

I. INTRODUCTION

The above entity has applied to the State Revolving Fund Loan Program (SRF) for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

**Max Henschen
Senior Environmental Manager
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-8623**

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name:	Town of Bargersville P.O. Box 420 Bargersville, Indiana 46106
SRF Project Number:	WW07 07 41 01
Authorized Representative:	Laura Lowe Town Council President

II. PROJECT LOCATION

The Tremont Subdivision to be sewerred is approximately three miles north of the Town of Bargersville, Johnson County, in the Bargersville 7.5 minute USGS quadrangle, T.13N, R.3E, Section 14. It is bordered on the east by State Road 135 and on the south by County Road 600 North.

III. PROJECT NEED AND PURPOSE

The project will provide sanitary sewer service to the Tremont subdivision, containing 41 failing septic systems which have exceeded their useful life and need replacement. A church between Tremont Drive and State Road 135 on the north side County Road 600 N will also be served. The Johnson County Health Department, in correspondence dated April 14, 2004, supported the proposed project.

IV. PROJECT DESCRIPTION

The project will install 4,400 feet of 8-inch PVC sanitary sewer, 26 manholes, 2 grinder pumps on two properties and 41 service connections. The project will require an open-cut crossing of Honey Creek to connect to the existing Honey Creek 18-inch gravity interceptor line.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Construction Costs	
4,400 feet of 8-inch sewer	\$167,200
26 manholes	65,000
1100 feet of 6" service lateral	38,500
41 8-inch by 6-inch wyes	6,150
Creek Crossing	4,000
Compacted Aggregate	67,500

Asphalt Pavement	72,000
Grading, Seeding, Tree/Shrub Restoration	18,700
2 Grinder Pumps	10,000
Mobilization	<u>11,950</u>
Subtotal	461,000
Construction Contingency	<u>36,000</u>
Estimated Construction Cost	497,000

Non Construction Costs

Engineering, Technical Services, Legal, Financial & Inspection 188,000

Total Estimated Project Cost \$685,000

- B. The Town of Bargersville will fund the project through a 20-year loan from the State Revolving Fund Program (SRF) Supplemental Fund; the interest rate will be determined at the time of loan closing. Easement costs are ineligible for SRF reimbursement, and other costs may be ineligible. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment. Homeowners will be responsible for properly abandoning their septic systems according to the Indiana State Department of Health guidelines and for installing lateral lines from their homes to the mainline sewer. Homeowners will also be responsible for various fees related to hookup, estimated to be \$3,745.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

The no-action alternative was considered but rejected, since it provides no improvement to the failing septic systems. The selected alternative is installation of a sanitary sewer system, with treatment to occur at the Bargersville wastewater treatment plant.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Disturbed and Undisturbed Areas: Sewer construction will occur within previously disturbed road rights-of-way or within previously disturbed utility corridors.

Historical/Architectural/Archaeological Sites (Appendix Figure O): The project will not affect historic sites. An archaeological survey was performed on April 26; no archaeological resources were found. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Plant and Animals and their Habitat: Few, if any, trees will be removed to implement this project. The construction and operation of the sanitary sewer projects should not negatively impact state or federally listed endangered species or their habitat.

Prime Farmland: The proposed projects will not cause a conversion of prime farmland.

Wetlands (Appendix figure L-1 and M-1): The proposed project requires an open-cut crossing of Honey Creek, a riverine perennial wetland. The impact will be temporary.

Surface Waters: The proposed sewer line will cross Honey Creek via open cut to connect to an existing line. The project will not affect Exceptional Use Streams, Outstanding State Resource Waters or Natural, Scenic and Recreational Rivers and Streams.

100-Year Floodplain (Appendix Figure N-1): Only the Honey Creek stream crossing will occur in a 100-year floodplain.

Groundwater: The proposed projects will not impact groundwater.

Air Quality: The proposed projects will have only short-term effects on air quality.

Open Space and Recreational Opportunities: Construction and operation of the proposed projects will neither create nor destroy open space and recreational opportunities.

The proposed project will not impact National Natural Landmarks.

B. Indirect Impacts

The town's Preliminary Engineering Report (PER) states: *The Town of Bargersville will ensure, through its sewer use ordinance, that future development, as well as future collection system or treatment works projects connecting to SRF-funded facilities will not negatively impact archaeological/historical/structural resources, wetlands, or other sensitive environmental resources. Town of Bargersville will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

C. Comments from Environmental Review Authorities

This assessment serves as the first notice to the U.S. Fish and Wildlife Service and the Indiana Department of Natural Resources Environmental Unit.

The Natural Resources Conservation Service, in correspondence dated September 28, 2006, indicated that the proposed project will not cause a conversion of prime farmland.

The State Historic Preservation Officer, in correspondence dated May 14, 2007, stated: *Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project. If any archaeological artifacts, features, or human remains are uncovered during construction, state law (Indiana Code 14-21-1-27 & 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days.*

VIII. MITIGATION MEASURES

The town's PER states:

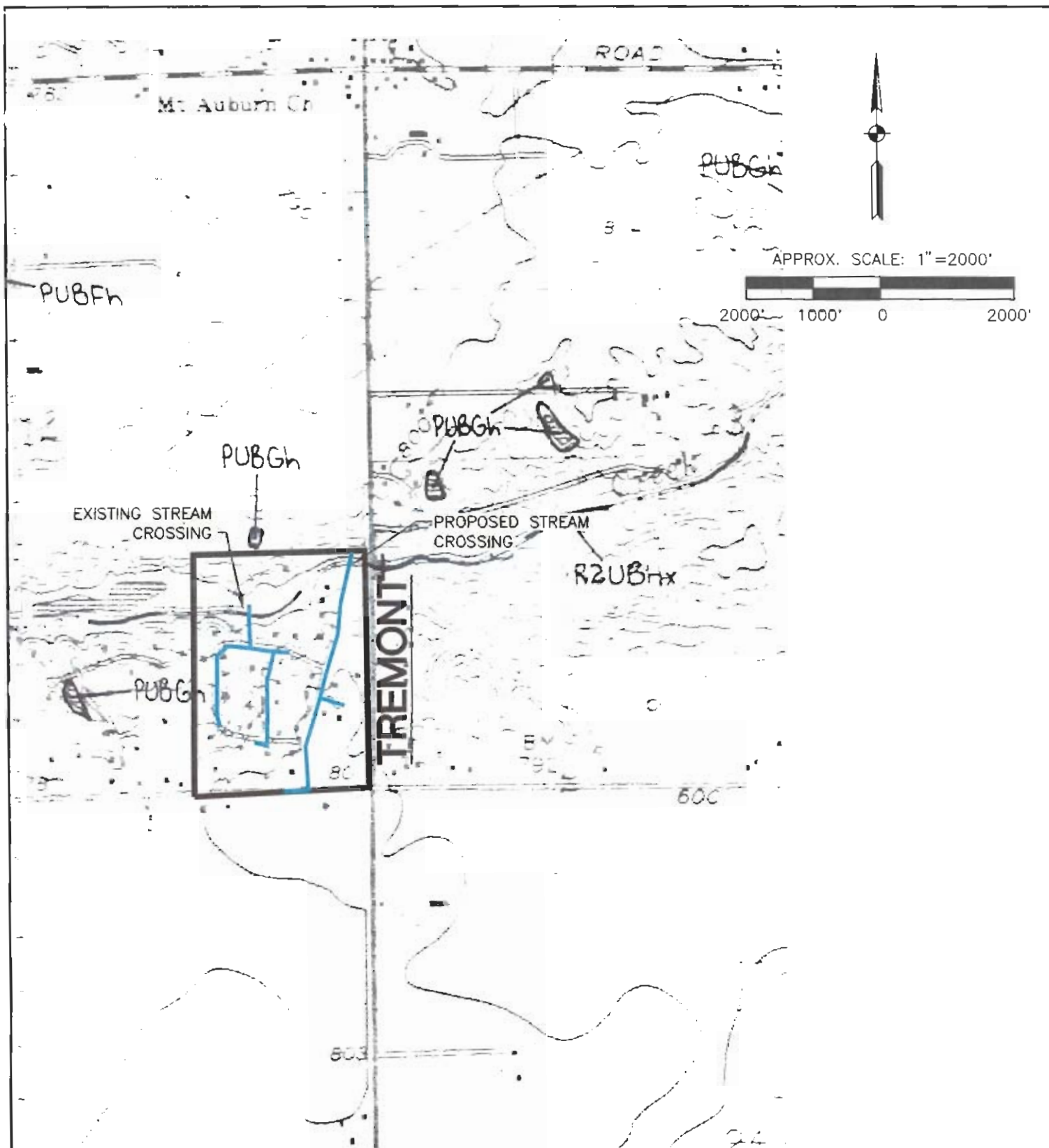
To minimize non-conformance with 326 IAC 6-4, "Fugitive Dust Emissions", reasonable and proper construction techniques and clean-up practices will be provided. In addition, surface wetting practices will be utilized to control dust emissions where required.... Exhausts of construction equipment will be required to have mufflers for noise and air pollution abatements.

Mitigation measures cited in comment letter from the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

Erosion control measures and re-establishment of vegetation will be provided.


IX. PUBLIC PARTICIPATION

A public hearing was conducted on September 26, 2006 at 6 PM in the Bargersville Town Hall. Questions included those related to homeowners' cost of hooking up, depth of sewers, driveway cuts and grinder pumps.



MAP SOURCE: BARGERSVILLE, IN NWI MAP

LEGEND

	8" GRAVITY SEWER
TOWN OF BARGERSVILLE EXISTING UNSEWERED AREAS SEWER PROJECT	
APPENDIX L-1 NWI MAPS OF PROJECT AREAS	

COMMONWEALTH
ENGINEERS, INC.



APPROX. SCALE: 1"=1,000'

1,000' 500' 0 1,000'

LEGEND

— 8" GRAVITY SEWER



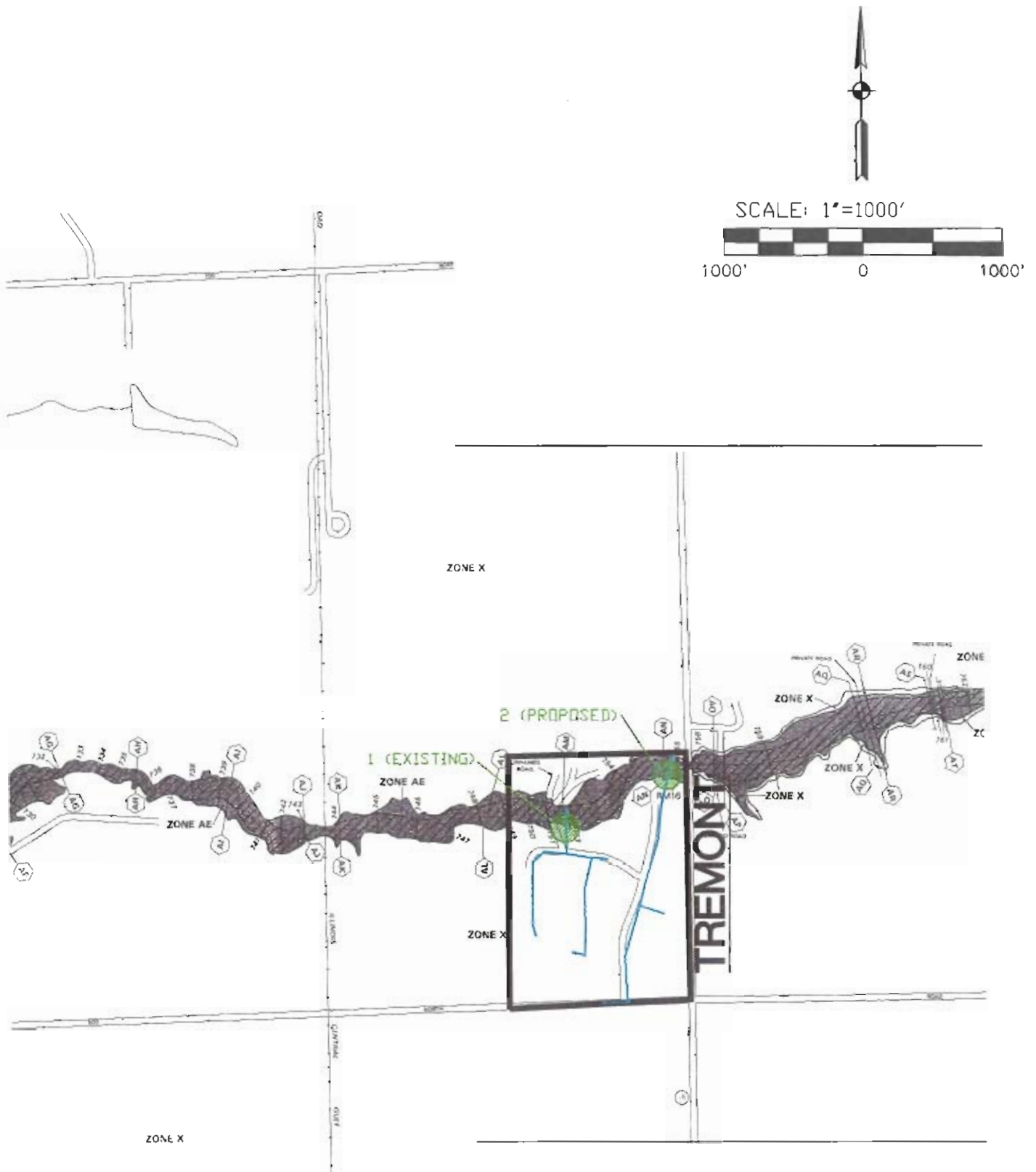
HYDRIC SOILS

COMMONWEALTH
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TOWN OF BARGERSVILLE
EXISTING UNSEWERED AREAS
SEWER PROJECT

APPENDIX M-1
SOILS MAP OF PROJECT AREAS

MAP SOURCE: JOHNSON COUNTY SOILS SURVEY



LEGEND



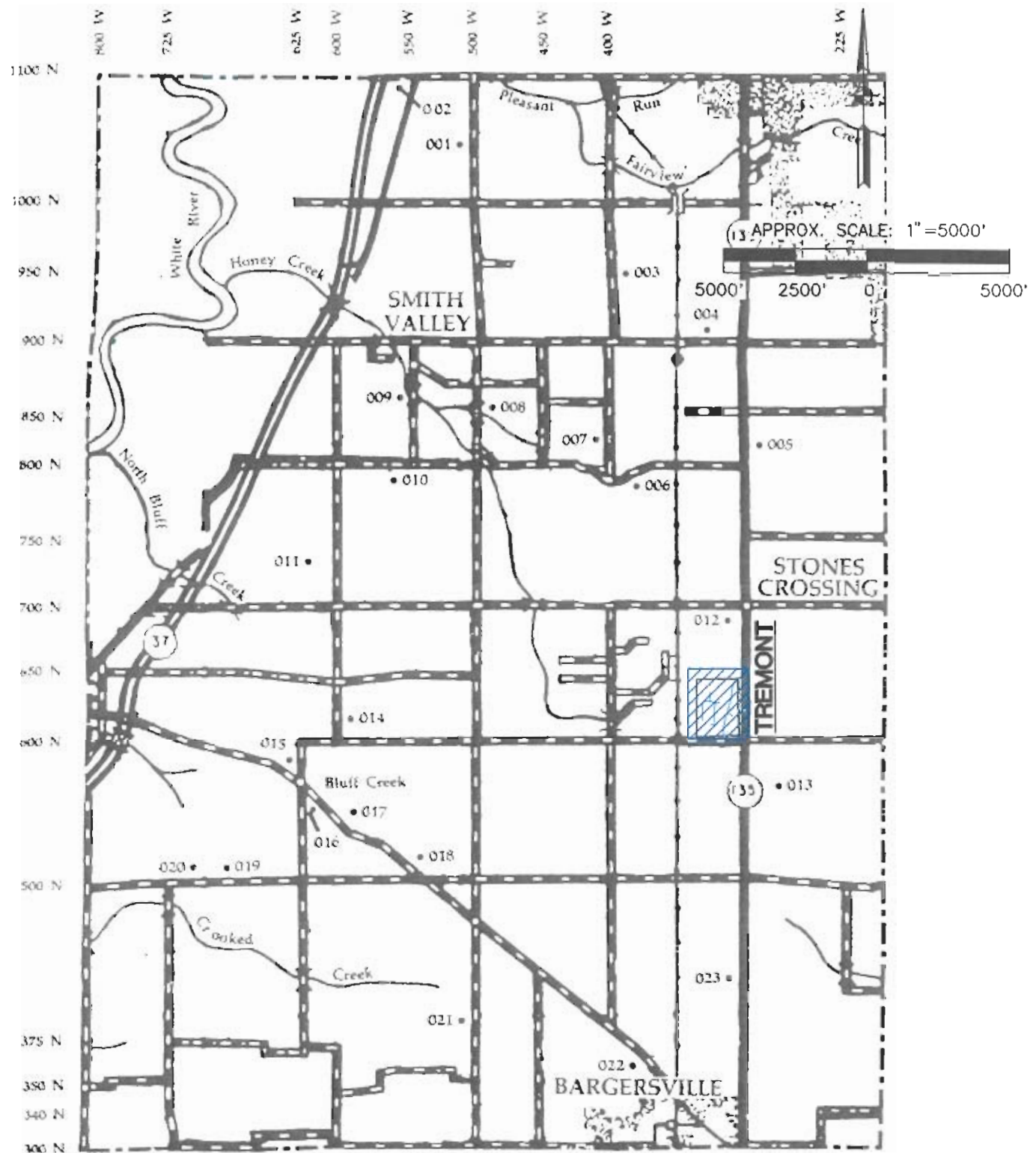
STREAM CROSSINGS



8" GRAVITY SEWER



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TOWN OF BARGERSVILLE
EXISTING UNSEWERED AREAS
COLLECTION SYSTEM PROJECT
APPENDIX N-1
FLOODWAYS IN THE PROJECT AREA



MAP SOURCE: WHITE RIVER TOWNSHIP (10001-023)

LEGEND

	8" GRAVITY SEWER
	PROJECT AREA
TOWN OF BARGERSVILLE EXISTING UNSEWERED AREAS SEWER PROJECT	
APPENDIX D HISTORICAL STRUCTURES MAP	

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